

Claims

1. A composition comprising:
5 0.01% to 20% by weight of glucosamine;
0.01% to 20% by weight of chondroitin sulfate;
0.01% to 10% by weight of camphor;
0.01% to 10% by weight of menthol;
0.01% to 20% by weight of an anti-inflammatory agent;
10 and a transdermal component.
2. The composition as recited in claim 1, wherein the transdermal component is
selected from the group comprising a transdermal component selected from the
group comprising pluronic lecithin organogel, methylsulfonylmethane, benzyl
15 alcohol, benzoic acid, and combinations thereof.
3. The composition as recited in claim 1, wherein the composition comprises 0.01%
to 33.0% by weight of the transdermal component.
- 20 4. The composition as recited in claim 1, wherein the anti-inflammatory agent is
selected from the group comprising ibuprofen, salicylamide, salicylic acid
compounds, ketoprofen, and salsalate, and combinations thereof.

5. The composition as recited in claim 1, further comprising an anti-pruritic agent.
6. The composition as recited in claim 5, wherein the anti-pruritic agent is selected from the group comprising methylsulfonylmethane, sodium bicarbonate, calamine,
5 allantoin, kaolin, and combinations thereof.
7. The composition as recited in claim 1, further comprising a viscosity adjusting agent.
- 10 8. The composition as recited in claim 7, wherein the viscosity adjusting agent is selected from the group comprising magnesium chloride, citric acid, sodium chloride, and combinations thereof.
9. The composition as recited in claim 1, further comprising a solubility adjusting
15 agent.
10. The composition as recited in claim 9, wherein the solubility adjusting agent is selected from the group comprising propylene glycol, ethyl oleate, arachis oil (peanut oil), mixtures of caprylic acids and esters, and combinations thereof.
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11. The composition as recited in claim 1, further comprising a skin and tissue emollient selected from the group comprising vitamin D, vitamin E, aloe vera, panthenol, dexpanthenol, vitamin B complex factor, glycerin, glycerol, sodium

hyaluronate, myristal myristate, propylene glycol, natural nut oils, and combinations thereof.

12. The composition as recited in claim 1, further comprising a topical carrier.

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13. The composition as recited in claim 12, wherein the topical carrier is selected from the group comprising aqueous carriers, oil based carriers, fat based carriers, fatty alcohol based carriers, water, and combinations thereof.

10 14. The composition as recited in claim 1, further comprising an emulsifying agent.

15. The composition as recited in claim 14, wherein the emulsifying agent is selected from the group comprising lecithin, glyceryl monostearate, polysorbate, and combinations thereof.

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16. The composition as recited in claim 1, wherein the composition comprises about 10% by weight of glucosamine, about 10% by weight of chondroitin sulfate, about 2.5% by weight of camphor, about 2.5% by weight of menthol, and about 10% by weight of an anti-inflammatory agent.

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17. The composition as recited in claim 1, wherein the composition is in the form of a cream.

18. The composition as recited in claim 1, wherein the composition is in the form of a gel.

19. The composition as recited in claim 1, wherein the composition is in the form of an aerosol spray.

20. A patch comprising a polymer-backed elastomeric adhesive unit having disposed thereon a composition including:

0.01% to 20% by weight of glucosamine;

0.01% to 20% by weight of chondroitin sulfate;

0.01% to 10% by weight of camphor;

0.01% to 10% by weight of menthol;

0.01% to 20% by weight of an anti-inflammatory agent;

and a transdermal component.